Original/Duplicate/Triplicate

P.W.G. 17 **1st and Final bill**

CONTRACT CERTIFICATE

Reference pares

NO:
Division Dasarahalli
Bills received No Date

Sub division T.Dasarahalli
Sub-divisional
Divisional
Head of account

Date
Cash book vr No
Date

Sheduled Docket No

Name of work(as per sanctioned estimate) **NAME OF WORK : Improvements to roads and drains at Bhuvaneshwari Nagara in Ward No.14, Bagalagunte**

Work Code 014 - 16 - 0000 33

Name of contractor and full address :- **Mangalraj**

Work order No :

Reference to agreement No :-

Estimated cost : 50.00 lakhs

Certified that the measurments were taken by me on 4/1/2018 and recorded on pages 62001 to 62010/2 of measurment book No. 521/17-18 and the work is satisfactorily executed by the contractor.

Signature of contractor

Officer in Charge of Work

Certified that the measurments were taken by me on 4/1/18 and recorded correct.The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office.

Sub-divisional officer 4/1/18

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within
2) Deduct amount to be held in reserve being-----percent Rs----------%---------- Balance---
3)
4) **Deduct payments**
   a) Amount of previous payment as in divisional/sub divisional cash book vr No----------dated----------S.D No----------Amount adjusted towards cash advance recovery of
   b) Cost of payments/stores or other materials supplied now made recovery of
   Amount paid on this bill by cheque/cash **Total**
5) Balance being unpaid value of work done held in reserve
6) Deduct cash of advance made on divisional/sub divisional cash book
7) Net amount due to or from contractor.

UN ADJUSTED ITEMS

8) Advance to contractor for materials to site(as detailed within)
9) Value of government materials supplied.

TOTAL AMOUNT UN-ADJUSTED

Contractor's signatures

Received Rs (in words)

For use in the Executive Engineer's office
of payment as per memorandum
(in final settlement of all demand)

Witness
1)

Receipt Stamp

2)

Dated signature of contractor
paid by me cheque No dated

Cash Rs

Date Initials of officer making payment Date Executive Engineer

Sl. No	Items of Work (grouped under sub headsthe sub works of the estimate)	Unit	Previous Measurem		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 metres and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications, complete as per the direction of Engineer-in-charge of the work.	Cum			24.28	70.78	1719.00	24.28	1719.00
2	Removing B.S slab of Drain and stacking complete as per the direction of Engineer-in-charge of the work.	Sqm			64.80	54.23	3514.00	64.80	3514.00
3	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation and plinth including cost of all materials, labour HOM of machinery curing complete as per specifications, complete as per the direction of Engineer-in-charge of the work	Cum			8.08	4315.59	34870.00	8.08	34870.00
4	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.84 cum and fine aggregates @ 0.56 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation plinth and cills including cost of all materials, labour HOM of machinery curing complete as per specifications complete as per the direction of Engineer-in-charge of the work.	Cum			4.80	4674.07	22436.00	4.80	22436.00
5	Refixing stone slabs of drains and pointing in C.M (1:3) complete as per the direction of Engineer-in-charge of the work.	Sqm			97.20	67.10	6522.00	97.20	6522.00
6	Providing a granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete for 7.5 cms thick complete as per the direction of Engineer-in-charge of the work.	Sqm			64.80	564.38	36572.00	64.80	36572.00

										Total to date Cost
7	Supplying and fixing precast reinforced conceret slabs 10cm thick of mix M20 using 20mm and sownsize graded grantite metal using reinforecement 100mm dia steel at 150mm C/C both ways cost, transportation, hire charges of machinerym machine cutng the vertical face to get plain even surface etc., complete with all lead and lift conveyance charges, labour charges inclusive of cost of all materials	Sqm			108.00	1361.76	147070.00	108.00	147070.00	1719.00
8	Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100 m. sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM of machineries complete as per specifications.	Cum			2160.00	75.37	162799.00	2160.00	162799.00	3514.00
9	Grading I material construction of granular sub-base by providing coarse graded crushed stone aggregates of Granite/ trap/basalt material spreading in uniform layers with motir grader on prepared surface mixing by a mix in place method with rotawater at OMC, and Compacting with vibratory roller to achieve the desired density, complete as per specifications.by mix in a Place method for course Graded Granular Sub Base Material as per 400-2 for grading I material complete as per the direction of Engineer-in-charge of the work	Cum			216.00	1243.66	268631.00	216.00	268631.00	70.00
10	Providing, laying, spreading and compacting stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Complete as per specifications complete as per the direction of Engineer-in-charge of the work	Cum			432.00	1458.75	630180.00	432.00	630180.00	

11	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of .00kg / sqm using mechanical means complete as per Specifications, complete as per the direction of Engineer-in-charge of the work	Sqm			2160.00	27.58	59573.00	2160.00	59573.00
12	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per precifications	Sqm			5760.00	2.76	15898.00	5760.00	15898.00
13	Providing and applying tack coat on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications complete as per the direction of Engineer-in-charge of the work	Sqm			5760.00	12.87	74131.00	5760.00	74131.00
14	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50/75mm compacted thickness with 3.3% bitumen but excluding the cost of primer/tack coat with lead incl. cost of all materials, labour, HOM of machineries complete as per specifications with 80/100 grade bitumen using 40/60TPH capacity H.M.P with Mechanical paver Gr II (50/75mm) with 3.3% VG-30 Bitumen as per the directions of Engineer-in-charge of the work	Cum			108.00	5271.54	569326.00	108.00	569326.00

15	Providing and laying bituminous concrete with hot mix plant using crushed aggregates of specified grading, pre mixed with bituminous binder and filler, transporting the hot mix to work site laying with paver finisher to the required grade, level and alignment . Rolling with smooth wheeled Vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause no 500.9 complete in all respects complete as per specifications MORTH specification No509, using 100/120 TPH capacity H.M.P.with Mechanical paver Gr II (30mm to 45mm) with 6% VG Bitumen complete as per the direction of Engineer-in-charge of the work	Cum			259.20	8360.01	2166915.00	259.20	2166915.00
16	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4KM	Cum			162.00	71.92	11651.00	162.00	11651.00
	Total						**4211807.00**		**4211807.00**

Certificate:

Certified that the contractor has work done satisfactorily
The contractor has removed the debries from work site.
There is no dept. materials issued to the contractor.

Assistant Engineer
Ward 14

Assistant Executive Engineer